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IS 5000-OD23 (1978): Dimensions of Semiconductor Devices, Device Outline OD23 [LITD 5: Semiconductor and Other Electronic Components and Devices]

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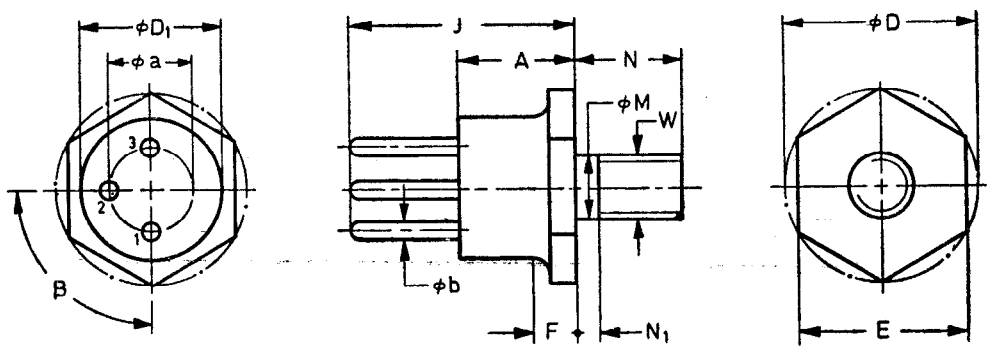
(Reaffirmed 2006)

Indian Standard

DIMENSIONS OF SEMICONDUCTOR DEVICES DEVICE OUTLINE OD 23

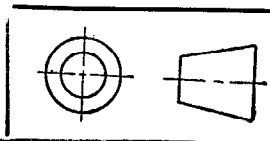
1. Dimensions

Note— This drawing has been prepared in accordance with IS : 5001 (Part I)-1969 ' Guide for the preparation of drawings of semic nductor devices and integrated circuits: Part I Semiconductor devices ' and IS : 5001 (Part II)-1973 ' Guide for the preparation of drawings of semiconductor devices and integrated circuits: Part II Integrated circuits '.



Reference	Millimetres			Degrees	Notes
	Min	*Nom*	*Max*	*Nom*	
a	4·70	5·08*	5·46	—	1
A	5·47	—	8·12	—	—
b	0·77	—	1·16	—	—
D	—	—	12·87	—	—
D_1	8·13	—	9·14	—	2
F	2·29	2·67	3·43	—	—
J	9·02	—	12·19	—	—
M	—	—	—	—	3
N	9·53	—	11·55	—	—
N_1	—	—	1·98	—	—
β	—	—	—	90°	1
E	10·77	11·0	11·10	—	—
W	—	M 5	—	—	—

*Means true geometrical position.



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Semiconductor Devices and Integrated Circuits Sectional Committee, LTDC 10; Panel for Mechanical Standardization of Semiconductor Devices, LTDC 10 : P1 [Ref : Doc : LTDC 10 (117)]

Note 1 — The cross section of each terminal lies in a circle having a diameter of 1·93 mm centred at the true geometrical position defining the terminal axis at its point of exit.

Note 2 — Diameter D_1 shall not be greater than the actual across flats dimensions of the hexagon used.

Note 3 — Diameter M refers to zone N_1. The maximum value should not exceed the outside diameter of the thread.

2. Rules for Coding — *See* 8.1 of IS : 5001 (Part I)-1969.

3. Equivalent Designation Code Followed by Other Countries and Organizations

Country or Organization	Designation Code
India	OD 23
IEC	A 31M
USA	TO 60
France	TO-60/F89M
Netherlands	NT 16M
Japan	SC-23
Germany	6 A3
USSR	KT-23

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